

chain nodes :

1 2 3 6 7 9 10 11 12 14 15 16 17 18

ring nodes :

19 20 21 22 23 24 25 26 27 28

chain bonds :

1-2 2-3 3-6 6-7 7-9 7-10 10-11 11-12 11-16 12-14 14-15 16-17 16-18 17-19

ring bonds :

19-21 19-22 20-21 20-24 20-28 22-23 23-24 24-25 25-26 26-27 27-28

exact/norm bonds :

7-9 7-10 10-11 11-12 12-14 14-15 16-18 19-21 19-22 20-21 20-24 20-28 22-23  
23-24 24-25 25-26 26-27 27-28

exact bonds :

1-2 2-3 3-6 6-7 11-16 16-17 17-19

isolated ring systems :

containing 19 :

G1:O,S,N

G2:O,S

Match level :

1:CLASS 2:CLASS 3:CLASS 6:CLASS 7:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS  
14:CLASS 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:Atom 20:Atom 21:Atom 22:Atom  
23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom

Generic attributes :

15:  
Saturation : Unsaturated

=> d his

(FILE 'HOME' ENTERED AT 21:52:02 ON 29 NOV 2001)

FILE 'REGISTRY' ENTERED AT 21:52:07 ON 29 NOV 2001

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 21:53:13 ON 29 NOV 2001

L4 1 S L3

FILE 'CAOLD' ENTERED AT 21:54:29 ON 29 NOV 2001

=> s 13

L5 0 L3

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal612BXR

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS	3	Feb 06	Engineering Information Encompass files have new names
NEWS	4	Feb 16	TOXLINE no longer being updated
NEWS	5	Apr 23	Search Derwent WPINDEX by chemical structure
NEWS	6	Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS	7	May 07	DGENE Reload
NEWS	8	Jun 20	Published patent applications (A1) are now in USPATFULL
NEWS	9	JUL 13	New SDI alert frequency now available in Derwent's DWPI and DPCI
NEWS	10	Aug 23	In-process records and more frequent updates now in MEDLINE
NEWS	11	Aug 23	PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS	12	Aug 23	Adis Newsletters (ADISNEWS) now available on STN
NEWS	13	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS	14	Oct 09	Korean abstracts now included in Derwent World Patents Index
NEWS	15	Oct 09	Number of Derwent World Patents Index updates increased
NEWS	16	Oct 15	Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS	17	Oct 22	Over 1 million reactions added to CASREACT
NEWS	18	Oct 22	DGENE GETSIM has been improved
NEWS	19	Oct 29	AAASD no longer available
NEWS	20	Nov 19	New Search Capabilities USPATFULL and USPAT2
NEWS	21	Nov 19	TOXCENTER(SM) - new toxicology file now available on STN
NEWS	22	Nov 29	COPPERLIT now available on STN
NEWS	23	Nov 29	DWPI revisions to NTIS and US Provisional Numbers

NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,  
CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),  
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS INTER General Internet Information

NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.15

0.15

FILE 'REGISTRY' ENTERED AT 21:52:07 ON 29 NOV 2001

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STRUCTURE FILE UPDATES: 28 NOV 2001 HIGHEST RN 372137-98-9

DICTIONARY FILE UPDATES: 28 NOV 2001 HIGHEST RN 372137-98-9

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

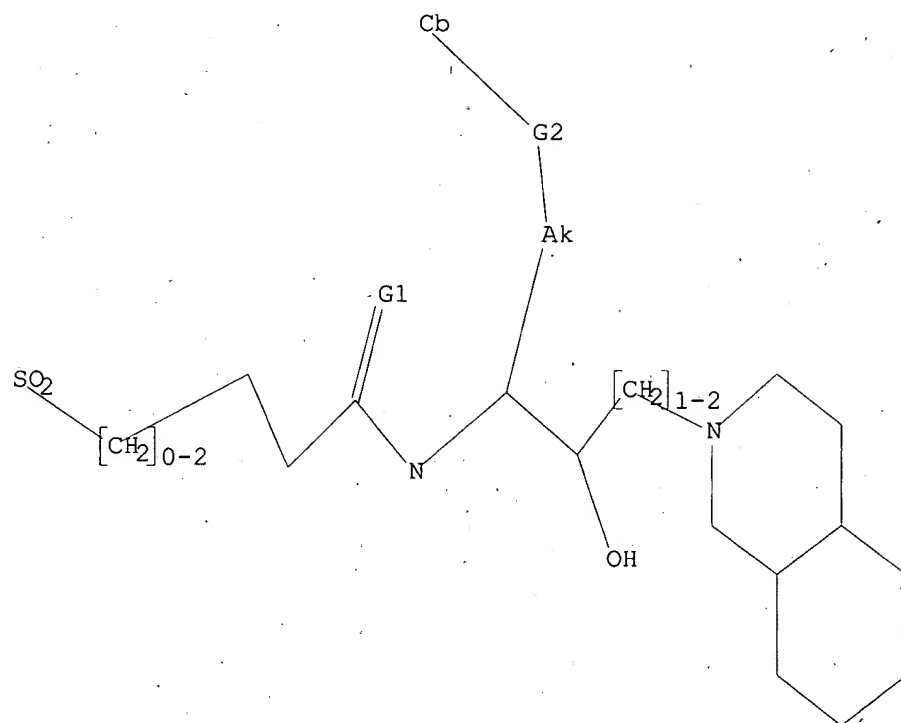
Uploading 9625384a.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S,N

G2 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 21:52:59 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 5 TO 234  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 133.25 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 21:53:06 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 174 TO ITERATE

100.0% PROCESSED 174 ITERATIONS  
SEARCH TIME: 00.00.02

5 ANSWERS

L3 5 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

133.87

134.02

FILE 'HCAPLUS' ENTERED AT 21:53:13 ON 29 NOV 2001  
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FILE COVERS 1947 - 29 Nov 2001 VOL 135 ISS 23  
FILE LAST UPDATED: 28 Nov 2001 (20011128/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

HCAPLUS now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

=> s 13

L4 1 L3

=> d 14, ibib abs fhitstr, 1

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1995:264545 HCAPLUS

DOCUMENT NUMBER: 122:55900

TITLE: Inhibitors of HIV protease useful for the treatment of

AIDS.

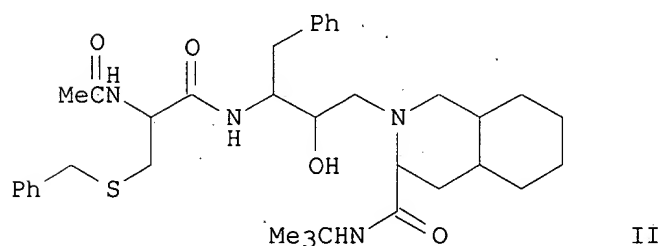
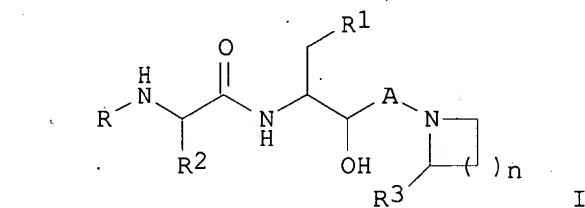
INVENTOR(S): Jungheim, Louis Nickolaus; Shepherd, Timothy Alan

PATENT ASSIGNEE(S): Lilly, Eli, and Co., USA

SOURCE: Eur. Pat. Appl., 61 pp.

DOCUMENT TYPE: CODEN: EPXXDW  
 LANGUAGE: Patent  
 FAMILY ACC. NUM. COUNT: 1 English  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 604185	A1	19940629	EP 1993-310359	19931220
EP 604185	B1	19990324		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
US 5733906	A	19980331	US 1993-134329	19931012
ZA 9309475	A	19950619	ZA 1993-9475	19931217
NO 9304719	A	19940623	NO 1993-4719	19931220
AU 9352528	A1	19940707	AU 1993-52528	19931220
AU 667146	B2	19960307		
HU 69693	A2	19950928	HU 1993-3679	19931220
IL 108092	A1	19980615	IL 1993-108092	19931220
AT 178055	E	19990415	AT 1993-310359	19931220
ES 2132201	T3	19990816	ES 1993-310359	19931220
CA 2112042	AA	19940623	CA 1993-2112042	19931221
FI 9305778	A	19940623	FI 1993-5778	19931221
JP 06271534	A2	19940927	JP 1993-322750	19931221
BR 9305162	A	19941101	BR 1993-5162	19931221
CN 1094399	A	19941102	CN 1993-112962	19931221
CN 1044117	B	19990714		
US 5905077	A	19990518	US 1997-974430	19971119
PRIORITY APPLN. INFO.:			US 1992-995256	19921222
			US 1993-134329	19931012
OTHER SOURCE(S):		MARPAT 122:55900		
GI				



AB Oligopeptide analogs I (R1 = aryl, alkyl, alkylthio, etc.; R2 = amino acid)

side chain, etc.; ) were disclosed. I are HIV protease inhibitors useful for the treatment of HIV infection and AIDS. Claimed example compd., [2R-(2R\*,3S\*,6S\*,4a'S\*,8a'S\*)]-N-(tert-butyl)-2-[2-hydroxy-3-(phenylmethyl)-4-aza-5-oxo-6-(ethanoylamino)-7-[(phenylmethyl)thio]heptyl]decahydro-3-isoquinolinecarboxamide (II) was prepd.

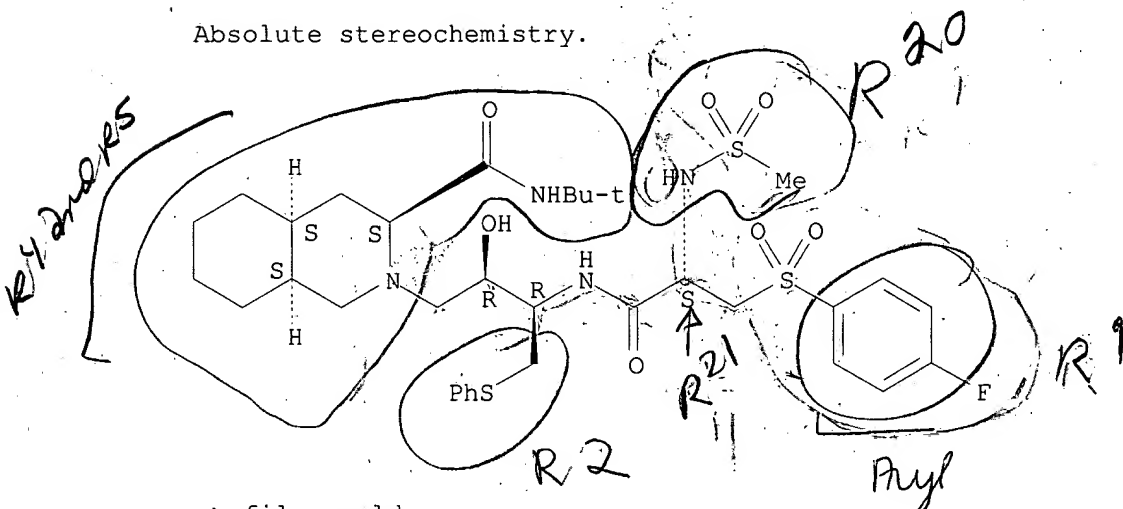
IT 159878-33-8P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of, as HIV protease inhibitor virucide)

RN 159878-33-8 HCAPLUS

CN 3-Isoquinolinecarboxamide, N-(1,1-dimethylethyl)-2-[3-[[3-[(4-fluorophenyl)sulfonyl]-2-[(methylsulfonyl)amino]-1-oxopropyl]amino]-2-hydroxy-4-(phenylthio)butyl]decahydro-,  
[3S-[2[2S\*,3S\*(R\*)],3.alpha.,4a.beta.ta.,8a.beta.]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> file caold

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

8.18

142.20

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE  
ENTRY

TOTAL  
SESSION

CA SUBSCRIBER PRICE

-0.59

-0.59

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE



display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d.his

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FILE 'REGISTRY' ENTERED AT 21:52:07 ON 29 NOV 2001

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 21:53:13 ON 29 NOV 2001

L4 1 S L3

FILE 'CAOLD' ENTERED AT 21:54:29 ON 29 NOV 2001

=> s 13

L5 0 L3

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.31

142.51

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-0.59

STN INTERNATIONAL LOGOFF AT 21:54:50 ON 29 NOV 2001

Connection closed by remote host